EXP. (E8, P8) FIX (E7, P7) 5.025m 4.619m 7.500m 7.500m 7**.**500m 7.500m (TYP.) (TYP.) (TYP.) (TYP.) FILL FACE @ END BENT 2 FILL FACE @— END BENT 1 80°-16'-37' © GIRDER A1 — -- 80°-16′-37″ © BRG. @ — END BENT 1 80°-16′-51″-405 © GIRDER A2 ─ — 80°-16′-51″ INTERMEDIATE DIAPHRAGM (TYP.) ─Û BRG.@ END BENT 2 80°-17′-5″ — -END BENT 405 © GIRDER A3 ─ DIAPHRAGM (TYP.) — 80°-17′-5″ 80°-17′-19″-405 © GIRDER A4 ─ - 80°-17′-19″ W.P. #1 — 80°-17'-34" © GIRDER A5 — SHORT CHORD — 80°-17′-34″ W.P. #2--/ 4 SPACES @ 7.500m 5.022m SHORT CHORD = 39.641m

FRAMING PLAN

NOTES

ALL STRUCTURAL STEEL SHALL BE AASHTO M270 GRADE 345W AND PAINTED IN ACCORDANCE WITH SYSTEM 4 OF ARTICLE 442-7 OF THE STANDARD SPECIFICATIONS UNLESS OTHERWISE NOTED ON THE PLANS.

ALL DIMENSIONS SHOWN ARE HORIZONTAL OR VERTICAL, UNLESS OTHERWISE NOTED.

BEARING STIFFENERS ARE TO BE PLACED NORMAL TO THE WEB OF THE GIRDER AND SHALL BE PLUMB.

A CHARPY V-NOTCH TEST IS REQUIRED FOR WEB PLATES, BOTTOM FLANGE PLATES, BOTTOM FLANGE SPLICE PLATES AND WEB SPLICE PLATES (IF USED) FOR ALL GIRDERS AND IN ACCORDANCE WITH ARTICLE 1072-9 OF THE STANDARD SPECIFICATIONS.

SHOP SPLICES ARE PERMITTED TO LIMIT THE MAXIMUM REQUIRED FLANGE PIECE LENGTHS TO 18 METERS AND WEB PIECE LENGTHS TO 14 METERS. PERMITTED FLANGE AND WEB SHOP SPLICES SHALL NOT BE LOCATED WITHIN 4.5 METERS OF MAXIMUM DEAD LOAD DEFLECTION. KEEP 600mm MINIMUM BETWEEN WEB AND FLANGE SHOP SPLICES. KEEP 150mm MINIMUM BETWEEN CONNECTOR PLATE OR TRANSVERSE STIFFENER WELDS AND WEB OR FLANGE SHOP SPLICES.

STUDS ON GIRDERS MAY BE SHIFTED UP TO 25mm IF NECESSARY TO CLEAR FLANGE SPLICE WELD.

END OF BEAMS AND GIRDERS SHALL BE PLUMB.

TENSION ON THE AASHTO M164 BOLTS SHALL BE CALIBRATED USING DIRECT TENSION INDICATOR WASHERS IN ACCORDANCE WITH ARTICLE 440-10 OF THE STANDARD SPECIFICATIONS.

PROJECT NO. R-2911A

IREDELL COUNTY

STATION: 41+59.472 -L-

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

SUPERSTRUCTURE

FRAMING PLAN

SEAL \ 20724 \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \						
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OUGLAS RATHING	REVISIONS					
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DRAWN BY: M.K. BEARD DATE: 01/14/04
CHECKED BY: K.D. LAYNE DATE: 02/05/04

DATE:

SHEET NO. S-66

106